

# ELOspeed

Indoor/Outdoor Speed Control

## AUTOMATIC SPEED CONTROL FOR VEHICLES INDOOR AND OUTDOOR

- + Radar-based
- + Weather-resistant
- + High reliability
- + Compatible with all common forklift truck models



# Increased work safety with automatic speed reduction.

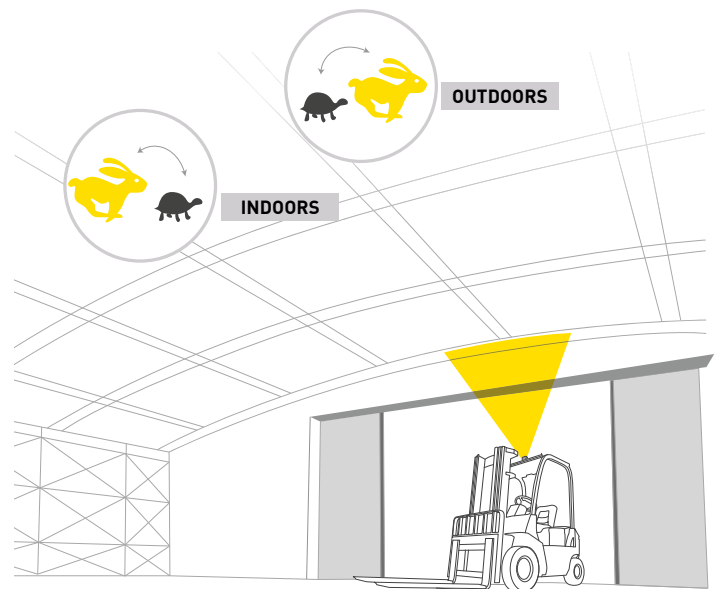
The radar-based ELOspeed system developed jointly with our customers helps drivers to automatically reduce the speed of vehicles inside, while it allows vehicles to operate at full speed outdoors.

In production and warehousing facilities, passages between indoor and outdoor work areas are often safety-critical zones. Forklift truck drivers are typically permitted to accelerate to maximum speed when outside, but are supposed to slow down for safety when returning inside. A vehicle at maximum speed indoors represents an increased safety risk. The subject of safety has a high priority in the logistics sector, hence there is a wide variety of assistance systems which support the drivers of Material Handling equipment (MHE) in their daily work. To increase work safety in intralogistics, ELOKON has developed the fully automated indoor/outdoor detection system ELOspeed.

## HOW IT WORKS

With ELOspeed it is possible to automatically reduce the driving speed of forklift trucks entering an indoor area, while drivers are typically permitted to accelerate to maximum speed when outside. Hereby ELOspeed monitors and detects superstructures (such as the hall roof) over the forklift truck. This allows ELOspeed to adjust the speed of the Material Handling equipment. Everything works fully automatically.

The detection range of the radar sensor ranges from 2 up to a maximum distance of 24 meters above the installed sensor. It emits a vertical beam upwards above the vehicle. As long as the sensor detects no superstructure, driving at maximum speed is possible. If ELOspeed detects an object (e.g. a hall roof), it automatically reduces the speed of the Material Handling equipment upon request. When the vehicle is again outside, it can again accelerate to maximum speed.



## EASY AND SAFE!

ELOspeed can be easily and flexibly adapted to customer-specific requirements and traffic rules and thus leads to optimisation of the work safety of employees in modern logistics companies.

 [elospeed.elokon.com](https://elospeed.elokon.com)

## INSTALLATION AND SERVICE

The system is weather-resistant and can be retrofitted by simply mounting it on Material Handling equipment of all brands and manufacturers. The detection range and sensitivity can be adapted to the local conditions directly at the sensor. Settings can be done comfortably using the DIP switch on the sensor housing itself and can be individually configured to customer requirements.

## TECHNICAL SPECIFICATIONS

Details of control	150 x 83.5 x 34 mm, 420 g, IP 65	Power supply	12 to 48 VDC < 5 W
Details of sensor	74.1 x 100.2 x 46.1 mm, 200 g, IP 67	Operating temperature	-30° ... +60° C
Relay output	1 NO, 30 V / 1 A	Max. detection range	24 m
Adjust. detection presets	2, 3, 4, 6, 8, 12, 16, 24 m	Sensitivity setting	4 levels

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